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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/693,137	10/20/2000	Raj Bridgehall	A33367-072797.0130	7845

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EXAMINER

NGUYEN, DAVID Q

ART UNIT	PAPER NUMBER
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2681

DATE MAILED: 08/15/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/693,137

Applicant(s)

BRIDGEHALL, RAJ

Examiner

David Q Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 10 and 11 is/are rejected.
- 7) ☒ Claim(s) 12 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 10-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Gorsuch (US Patent Number 6526034).

Regarding claim 10, Gorsuch discloses a dual mobile unit for operating according to first and second wireless protocols comprising first and second RF modules, respectively for transmitting and receiving signals according to first and second wireless protocols, and each responsive to baseband signals for transmission and providing output baseband signals on reception (see fig. 6); Gorsuch also discloses a detection circuit detects presence of first protocol or second protocol and controls switch to convert to the presence or availability of the protocol (see fig. 6; col. 10, lines 44-59). It is apparent that there is a digital processor responsive to received digital signals for processing said digital signals according to one of said first and second protocols; an interface unit for receiving baseband signals from said first and second RF modules and supplying corresponding digital signals to said processor, and for receiving digital signals from said processor and supplying first and second corresponding baseband signals to said first and second RF module respectively (see fig. 6; col. 9, lines 29-52).

Regarding claim 11, Gorsuch also discloses said processor controls said interface unit to send and receive signals to and from said first second RF modules (see fig. 6; col. 9, lines 29-52).

Allowable Subject Matter

2. Claims 1-9 and 12 are allowed.

Regarding claim 1, Bursztejn et al disclose a method for operating a dual-mode mobile unit arranged to transmit and receive signals using first and second wireless protocols (see abstract; fig. 1; and col. 6, lines 1-7; coreless mode and cellular mode), comprising operating said mobile unit under said first wireless protocol (see col. 6, lines 1-7; wireless mode).

Bursztejn et al are silent to disclose reserving a transmission time interval in a frame of said first wireless protocol ; and operating said mobile unit under said second wireless protocol (cordless protocol) during said reserved time interval.

Claims 2-8 depend on claim 1. Therefore, they are allowed.

Regarding claim 9, Gorsuch disclose a method for operating a dual mode mobile unit comprising providing a first transmitter for operation using a first wireless protocol and responsive to first protocol baseband signals (see fig. 6; CDMA transceiver 140); providing a first receiver for operating using said first wireless protocol and providing output first protocol baseband signals (see fig. 6; transceiver 140); providing a second transmitter for operation using a second wireless protocol and responsive to second protocol baseband signals (see fig. 6; 802.11 transceiver 240); providing a second receiver for operating using said second wireless protocol and providing output second protocol baseband signals (see fig. 6; transceiver 240).

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Gorsuch is silent to disclose providing a digital processor programmed to process signals for said first and second protocols, responsive to received digital signals in a first protocol frame format and providing output digital transmission signals in said first protocol frame format; converting said output first and second protocol baseband signals to said received digital signals in said first protocol frame format; converting said output digital transmission signals from said first protocol frame format to said first or second protocol baseband signals.

3. Claim 12 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claim 12, Gorsuch disclose a dual mobile unit comprising all of the limitations as claimed. Gorsuch is silent to disclose wherein said interface unit receives output baseband signals from said second RF modules and supplies said corresponding digital signals to said digital processor in a first protocol frame format, and receives digital signals from said digital processor in said first protocol frame format and supplies corresponding baseband signals to said second RF module according to said second wireless protocol, as specified in claim 12.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Q Nguyen whose telephone number is 7036054254. The examiner can normally be reached on 8:30AM-5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on 703-305-4778. The fax phone numbers for the


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organization where this application or proceeding is assigned are 703-305-9508 for regular communications and 703-305-9508 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

DN

David Nguyen
August 6, 2003


DWAYNE BOST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600